

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|-----------------|---|------------------|---------|------------------|
| L1 | 164 | 359/576[ccls] | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 10:40 |
| L2 | 1 | ("6728034").PN. | USPAT | OR | OFF | 2004/11/16 10:35 |
| L3 | 1 | "4880292".PN. | USPAT; USOCR | OR | ON | 2004/11/16 10:35 |
| L4 | 1 | "4946253".PN. | USPAT; USOCR | OR | ON | 2004/11/16 10:36 |
| L5 | 1 | "5015835".PN. | USPAT; USOCR | OR | ON | 2004/11/16 10:36 |
| L6 | 1 | "5486934".PN. | USPAT; USOCR | OR | ON | 2004/11/16 10:39 |
| L7 | 1 | "5682255".PN. | USPAT; USOCR | OR | ON | 2004/11/16 10:39 |
| L8 | 1 | "5745265".PN. | USPAT; USOCR | OR | ON | 2004/11/16 10:39 |
| L9 | 47343 | hologra\$ | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 10:41 |
| L10 | 103785 | grating | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 10:41 |
| L11 | 4930 | 9 adj5 10 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 10:41 |
| L12 | 3705 | substate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 10:41 |
| L13 | 0 | 11 same 12 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 10:43 |
| L14 | 52 | dual with 11 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 10:46 |
| L15 | 1061 | 359/15[ccls] | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 10:47 |

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|-----|--------|---------------------|---|----|----|------------------|
| L16 | 129593 | waveguide | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 10:47 |
| L17 | 104 | 15 and 16 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 11:00 |
| L18 | 178 | 359/34[ccls] | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 11:08 |
| L19 | 890 | center\$5 adj8 9 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 11:09 |
| L20 | 2623 | center\$5 adj8 10 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 11:09 |
| L21 | 3421 | 19 or 20 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 11:10 |
| L22 | 6824 | surface adj10 9 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 11:10 |
| L23 | 12571 | surface adj10 10 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 11:11 |
| L24 | 188 | 21 same 22 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 11:18 |
| L25 | 385 | 21 same 23 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 11:11 |
| L26 | 30820 | optical adj5 pickup | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 11:18 |

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|-----|-----|---------------|---|----|----|------------------|
| L27 | 34 | 25 and 26 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 11:22 |
| L28 | 698 | 359/569(ccis) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 11:22 |
| L29 | 56 | 26 and 28 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 11:22 |

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|------------------------|---|------------------|---------|------------------|
| L1 | 5731 | incident same outgoing | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 12:50 |
| L2 | 103785 | gratings | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 12:50 |
| L3 | 364 | 1 same 2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 13:11 |
| L4 | 290 | 359/571[ccls] | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 13:56 |
| L5 | 1 | "4665310".PN. | USPAT; USOCR | OR | ON | 2004/11/16 13:45 |
| L6 | 1 | "4753513".PN. | USPAT; USOCR | OR | ON | 2004/11/16 13:45 |
| L7 | 1 | "4771411".PN. | USPAT; USOCR | OR | ON | 2004/11/16 13:46 |
| L8 | 1 | "4794585".PN. | USPAT; USOCR | OR | ON | 2004/11/16 13:46 |
| L9 | 1 | "4817072".PN. | USPAT; USOCR | OR | ON | 2004/11/16 13:46 |
| L10 | 1 | "4835378".PN. | USPAT; USOCR | OR | ON | 2004/11/16 13:46 |
| L11 | 1 | "4839506".PN. | USPAT; USOCR | OR | ON | 2004/11/16 13:47 |
| L12 | 1 | "4847478".PN. | USPAT; USOCR | OR | ON | 2004/11/16 13:47 |
| L13 | 1 | "4904856".PN. | USPAT; USOCR | OR | ON | 2004/11/16 13:47 |
| L14 | 1 | "4945529".PN. | USPAT; USOCR | OR | ON | 2004/11/16 13:47 |
| L15 | 449 | dual:adj6 2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 13:57 |
| L16 | 29590 | optical adj4 pickup | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 13:57 |

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|-----|-------|-------------------|---|----|-----|------------------|
| L17 | 41132 | optical adj4 head | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 13:57 |
| L18 | 67 | 15 and 16 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 13:57 |
| L19 | 28 | 15 and 17 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 13:57 |
| L20 | 85 | 18 or 19 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 14:14 |
| L21 | 1 | ("5805215").PN. | USPAT | OR | OFF | 2004/11/16 14:14 |
| L22 | 1 | ("5805315").PN. | USPAT | OR | OFF | 2004/11/16 14:16 |
| L23 | 1 | ("5566024").PN. | USPAT | OR | OFF | 2004/11/16 14:38 |
| L24 | 1 | ("5029154").PN. | USPAT | OR | OFF | 2004/11/16 14:18 |
| L25 | 1 | ("5760960").PN. | USPAT | OR | OFF | 2004/11/16 14:19 |
| L26 | 1 | ("5473470").PN. | USPAT | OR | OFF | 2004/11/16 14:19 |
| L27 | 123 | 359/576[ccls] | USPAT | OR | ON | 2004/11/16 14:50 |
| L28 | 1 | ("5111449").PN. | USPAT | OR | OFF | 2004/11/16 14:50 |

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|------------------------|---|------------------|---------|------------------|
| L1 | 5731 | incident same outgoing | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 12:50 |
| L2 | 103785 | gratings | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 12:50 |
| L3 | 364 | 1 same 2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 13:11 |
| L4 | 290 | 359/571[ccls] | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 13:56 |
| L5 | 1 | "4665310".PN. | USPAT; USOCR | OR | ON | 2004/11/16 13:45 |
| L6 | 1 | "4753513".PN. | USPAT; USOCR | OR | ON | 2004/11/16 13:45 |
| L7 | 1 | "4771411".PN. | USPAT; USOCR | OR | ON | 2004/11/16 13:46 |
| L8 | 1 | "4794585".PN. | USPAT; USOCR | OR | ON | 2004/11/16 13:46 |
| L9 | 1 | "4817072".PN. | USPAT; USOCR | OR | ON | 2004/11/16 13:46 |
| L10 | 1 | "4835378".PN. | USPAT; USOCR | OR | ON | 2004/11/16 13:46 |
| L11 | 1 | "4839506".PN. | USPAT; USOCR | OR | ON | 2004/11/16 13:47 |
| L12 | 1 | "4847478".PN. | USPAT; USOCR | OR | ON | 2004/11/16 13:47 |
| L13 | 1 | "4904856".PN. | USPAT; USOCR | OR | ON | 2004/11/16 13:47 |
| L14 | 1 | "4945529".PN. | USPAT; USOCR | OR | ON | 2004/11/16 13:47 |
| L15 | 449 | dual adj6 2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 13:57 |
| L16 | 29590 | optical adj4 pickup | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 13:57 |

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|-----|--------|--------------------------|---|----|-----|------------------|
| L17 | 41132 | optical adj4 head | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 13:57 |
| L18 | 67 | 15 and 16 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 13:57 |
| L19 | 28 | 15 and 17 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 13:57 |
| L20 | 85 | 18 or 19 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/16 14:14 |
| L21 | 1 | ("5805215").PN. | USPAT | OR | OFF | 2004/11/16 14:14 |
| L22 | 1 | ("5805315").PN. | USPAT | OR | OFF | 2004/11/16 14:16 |
| L23 | 1 | ("5566024").PN. | USPAT | OR | OFF | 2004/11/16 14:38 |
| L24 | 1 | ("5029154").PN. | USPAT | OR | OFF | 2004/11/16 14:18 |
| L25 | 1 | ("5760960").PN. | USPAT | OR | OFF | 2004/11/16 14:19 |
| L26 | 1 | ("5473470").PN. | USPAT | OR | OFF | 2004/11/16 14:19 |
| L27 | 123 | 359/576[ccls] | USPAT | OR | ON | 2004/11/16 14:50 |
| L28 | 1 | ("5111449").PN. | USPAT | OR | OFF | 2004/11/16 15:07 |
| L29 | 64 | exposy | USPAT | OR | ON | 2004/11/16 15:07 |
| L30 | 1208 | expoxy | USPAT | OR | ON | 2004/11/16 15:07 |
| L31 | 528919 | organic | USPAT | OR | ON | 2004/11/16 15:07 |
| L32 | 94 | 30 same 31 | USPAT | OR | ON | 2004/11/16 15:08 |
| L33 | 262971 | inorganic | USPAT | OR | ON | 2004/11/16 15:08 |
| L34 | 4868 | 33 adj4 film | USPAT | OR | ON | 2004/11/16 15:09 |
| L35 | 173589 | dielectric | USPAT | OR | ON | 2004/11/16 15:09 |
| L36 | 483 | 34 same 35 | USPAT | OR | ON | 2004/11/16 15:10 |
| L37 | 1 | 2 same 36 | USPAT | OR | ON | 2004/11/16 15:10 |
| L38 | 1999 | 2 same 35 | USPAT | OR | ON | 2004/11/16 15:11 |
| L39 | 1300 | 2 with 35 | USPAT | OR | ON | 2004/11/16 15:11 |
| L40 | 311 | 39 with film | USPAT | OR | ON | 2004/11/16 15:16 |
| L41 | 28 | 27 and 35 | USPAT | OR | ON | 2004/11/16 15:26 |
| L42 | 64372 | metal with 33 | USPAT | OR | ON | 2004/11/16 15:26 |
| L43 | 29785 | metal near4 33 | USPAT | OR | ON | 2004/11/16 15:27 |
| L45 | 54 | (metal adj film) adj4 33 | USPAT | OR | ON | 2004/11/16 15:28 |
| L46 | 1 | ("5907436").PN. | USPAT | OR | OFF | 2004/11/16 15:45 |
| L47 | 1 | ("5566024").PN. | USPAT | OR | OFF | 2004/11/16 16:03 |
| L48 | 1 | ("6728034").PN. | USPAT | OR | OFF | 2004/11/16 16:15 |
| L49 | 2017 | 2 with slits | USPAT | OR | ON | 2004/11/16 16:15 |
| L50 | 2 | 49 with relief | USPAT | OR | ON | 2004/11/16 16:21 |
| L51 | 4 | 49 same relief | USPAT | OR | ON | 2004/11/16 16:22 |

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|-----|--------|-----------------|--------------------|----|----|------------------|
| L52 | 165 | 49 same grooves | USPAT | OR | ON | 2004/11/16 16:22 |
| L53 | 118 | 49 with grooves | USPAT | OR | ON | 2004/11/16 16:37 |
| L54 | 131436 | polariz\$6 | US-PGPUB; USPAT | OR | ON | 2004/11/16 16:37 |
| L55 | 54 | 4 and 54 | US-PGPUB; USPAT | OR | ON | 2004/11/16 16:38 |